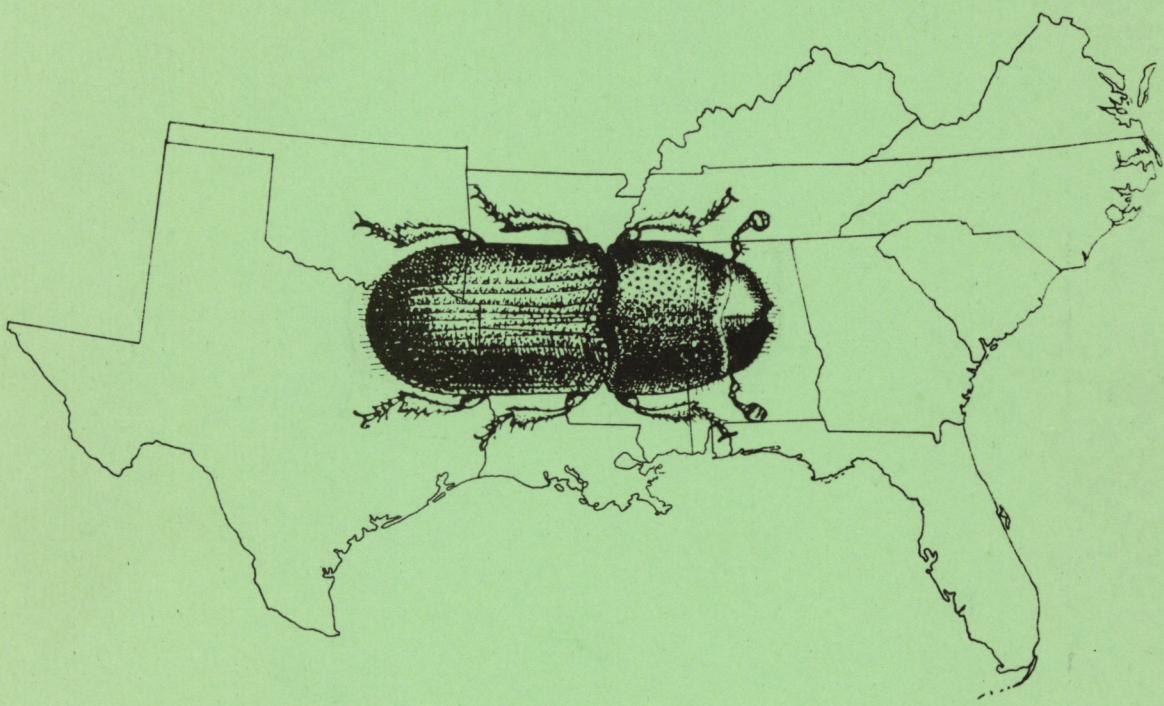


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SOUTHEASTERN AREA

SOUTHERN PINE BEETLE OUTBREAK STATUS

July 1975



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Compiled by:
SOUTHEASTERN AREA
State and Private Forestry

In Cooperation with:
National Forests and
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Forest Insect & Disease Management
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Atlanta, Georgia 30309
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SOUTHERN PINE BEETLE
FY 1975 Status Summary

Ownership	Infested Volume Salvaged		Federal Funds Expended	Acreage Treated ^{1/} ^{2/}
	MBF	MCF	\$	acres
State & Private	241,783	60,537	868,488	100,900
Federal	31,739	3,859	446,693	8,100
SA Total	273,522	64,396	1,315,181	109,000

^{1/} Estimated combined total acreage of salvaged infested, piled and burned, and chemically treated trees.

^{2/} Salvage treatment acreage calculated from salvage volumes at 800 cubic feet per acre; pile and burn and chemical treatment acreages are not available for all State and Private lands.

Outlook for FY 1976

Ownership	Total Acreage of Susceptible Host Type in SA ^{3/}	Net Acreage of Host Type in Outbreak	Federal Funds Requested as of July 30, 1975 for Control Projects
State & Private	89,442,800	44,065,619	\$ 967,445
Federal	9,578,100	2,669,785	\$ 692,313
SA Total	99,020,900	46,735,404	\$1,659,758

^{3/} Includes longleaf, slash, sand, and spruce pine acreages not previously included for some States.

A P P E N D I X

Appendix Table 1. Area of Susceptible Host Types in the Southeast by Ownership Class.^{1/}
(thousand acres)

State	Ownership	Loblolly	Shortleaf	Pitch	Slash	Longleaf	Oak - Pine	Pond	Longleaf Slash	Shortleaf Loblolly	Virginia	Other Pines ^{2/}	Total
Alabama	Private	--	--	--	--	--	4,614.5	--	1,854.4	7,132.3	--	--	13,601.2
	Public	--	--	--	--	--	220.4	--	144.3	305.5	--	--	670.2
	Total	--	--	--	--	--	4,834.9	--	1,998.7	7,437.8	--	--	14,271.4
Arkansas	Private	--	--	--	--	--	2,466.6	--	--	2,982.5	--	--	5,449.1
	Public	--	--	--	--	--	573.0	--	--	685.5	--	--	1,258.5
	Total	--	--	--	--	--	3,039.6	--	--	3,668.0	--	--	6,707.6
Florida	Private	339.9	34.5	--	4,896.1	1,132.0	1,365.0	261.8	--	--	--	235	8,264.3
	Public	4.5	--	--	528.8	399.6	303.3	81.8	--	--	--	277.7	1,595.7
	Total	344.4	34.5	--	5,424.9	1,531.6	1,668.3	343.6	--	--	--	512.7	9,860.0
Georgia	Private	4,818.4	1,637.9	--	3,934.4	1,500.8	3,350.7	285.0	--	--	265.0	3.7	15,795.9
	Public	256.3	97.4	--	165.5	109.2	289.2	19.5	--	--	35.4	14.4	986.9
	Total	5,074.7	1,735.3	--	4,099.9	1,610.0	3,639.9	304.5	--	--	300.4	18.1	16,782.8
Kentucky	Private	--	--	--	--	--	443.5	--	--	--	--	326.2	769.7
	Public	--	--	--	--	--	113.9	--	--	--	--	41.5	155.4
	Total	--	--	--	--	--	557.4	--	--	--	--	367.7	925.1
Louisiana	Private	--	--	--	--	--	2,034.4	--	1,068.6	4,161.4	--	--	7,264.4
	Public	--	--	--	--	--	135.0	--	151.5	277.9	--	--	564.4
	Total	--	--	--	--	--	2,169.4	--	1,220.1	4,439.3	--	--	7,828.8
Mississippi	Private	--	--	--	--	--	2,969.8	--	1,051.6	3,718.8	--	--	7,740.2
	Public	--	--	--	--	--	402.2	--	283.8	523.8	--	--	1,209.8
	Total	--	--	--	--	--	3,372.0	--	1,335.4	4,242.6	--	--	8,950.0
North Carolina	Private	3,009.6	1,037.1	32.9	32.5	359.6	3,326.4	1,181.0	--	--	780.2	117.6	9,876.9
	Public	111.7	42.6	13.0	--	102.5	230.2	227.6	--	--	8.9	41.5	778.0
	Total	3,121.3	1,079.7	45.9	32.5	462.1	3,556.6	1,408.6	--	--	789.1	159.1	10,654.9
Oklahoma	Private	--	--	--	--	--	568.2	--	--	675.6	--	--	1,243.8
	Public	--	--	--	--	--	96.1	--	--	119.7	--	--	215.8
	Total	--	--	--	--	--	664.3	--	--	795.3	--	--	1,459.6
South Carolina	Private	2,588.9	772.9	4.6	501.6	388.4	1,970.8	344.7	--	--	151.7	8.7	6,732.3
	Public	327.6	101.2	--	72.6	118.9	154.0	40.7	--	--	10.9	--	825.9
	Total	2,916.5	874.1	4.6	574.2	507.3	2,124.8	385.4	--	--	162.6	8.7	7,558.2
Tennessee	Private	--	--	--	--	--	998.7	--	--	847.8	--	17	1,863.5
	Public	--	--	--	--	--	199.3	--	--	151.0	--	21.9	372.2
	Total	--	--	--	--	--	1,198.0	--	--	998.8	--	38.9	2,235.7
Texas	Private	--	--	--	--	--	2,241.9	--	347.9	4,315.0	--	--	6,504.3
	Public	--	--	--	--	--	64.2	--	10.6	593.7	--	--	668.5
	Total	--	--	--	--	--	2,306.1	--	358.5	4,908.7	--	--	7,573.3
Virginia	Private	1,077.6	323.8	32.4	--	--	2,326.8	2.6	--	--	1,174.4	72.7	5,010.3
	Public	38.3	15.2	31.2	--	--	210.5	--	--	--	71.3	21.4	387.9
	Total	1,115.9	339.0	63.6	--	--	2,537.3	2.6	--	--	1,245.7	94.1	5,398.2
Total	Private	11,834.4	3,806.2	69.9	9,364.6	3,330.8	28,677.3	2,075.1	4,322.5	23,833.4	2,371.3	780.9	90,516.4
	Public	738.4	256.4	44.2	766.9	730.2	2,991.3	369.6	590.2	2,657.1	126.5	418.4	9,689.2
	All Ownership	12,572.8	4,062.6	114.1	10,131.5	4,111.0	31,668.6	2,444.7	4,912.7	26,490.5	2,497.8	1,199.3	100,205.6

^{1/} Data extracted from U.S. Forest Service Resource Bulletins published by the Southern and Southeastern Forest Experiment Stations.

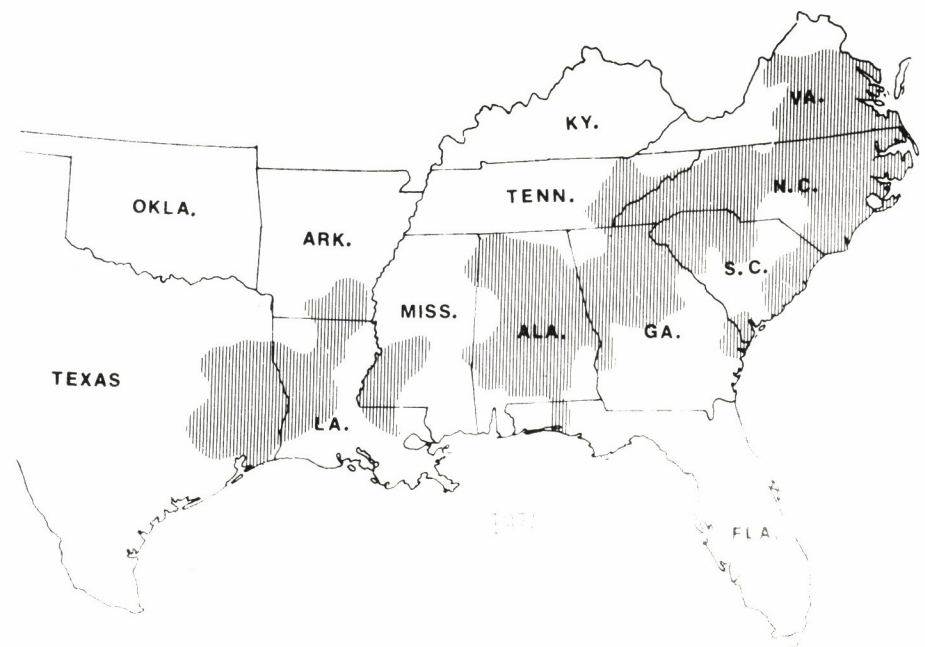
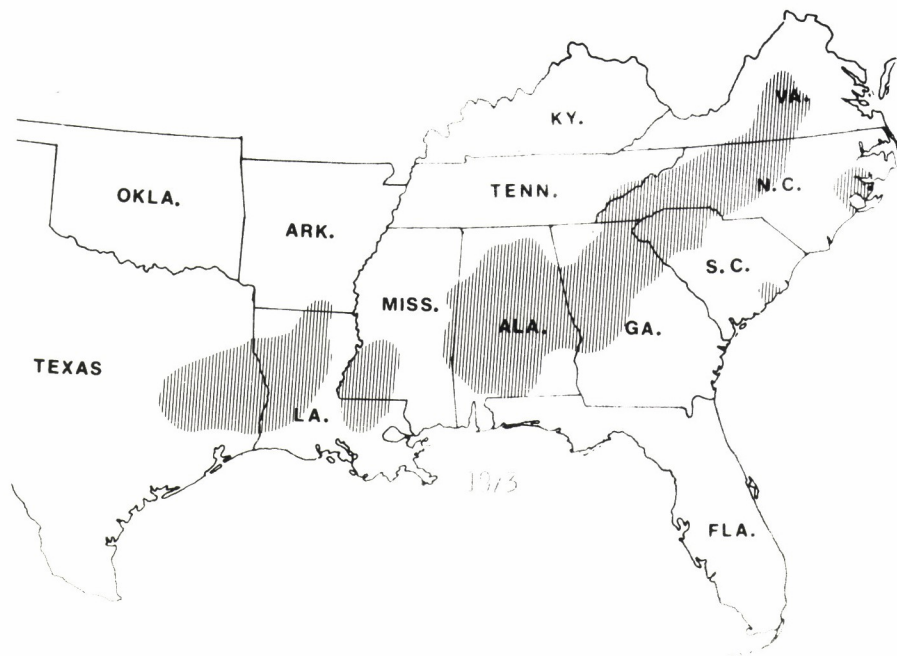
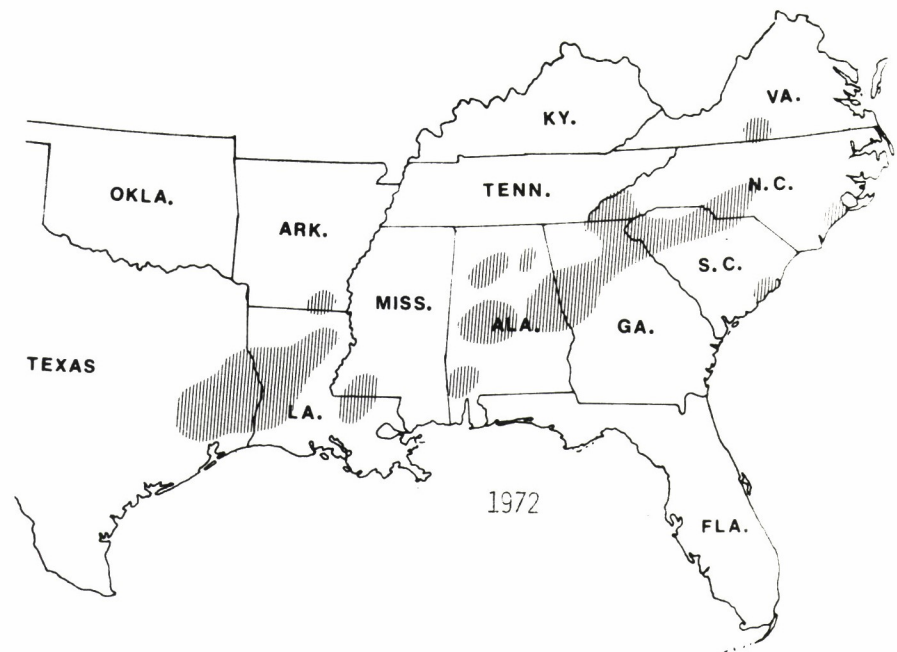
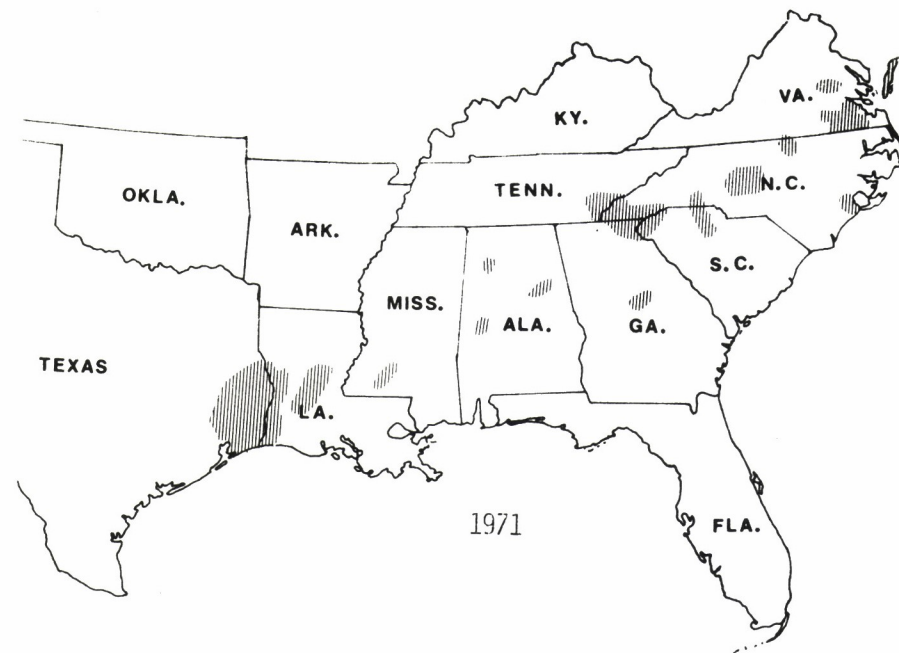
^{2/} Includes sand, spruce, table mountain, and white pines.

Table 3. Southern Pine Beetle Status as of June 30, 1975

State	Ownership	Projected Need for Federal Funds FY 1976	Federal Funds Actually Expended FY 1975	Infested Volume Salvaged FY 1975		Total Acreage of Host Type 1/	Net Acreage of Host Type in Current Outbreak 1/	Current Status and Course of Outbreak
				MBF	MCF			
Alabama	Private	\$ 300,000	\$ 350,000	13,279	7,349	13,601,200	4,922,400	Activity has decreased substantially in the southern part of the State and is holding steady in the north. The State has experienced a 600% reduction in the number of spots and a 200% reduction in the number of trees over this time last year
	Federal	79,967	39,624	587	92	670,200	406,700	
	Total	379,967	389,624	13,857	7,441	14,271,400	5,329,100	
Arkansas	Private	50,000	25,190	935	314	5,449,100	1,311,700	Southern pine beetle activity has been low, but is beginning to increase slightly. Activity has been reported in isolated areas in four new counties.
	Federal	---	11,172	---	---	1,258,500	---	
	Total	50,000	36,362	935	314	6,707,600	1,311,700	
Florida	Private	---	---	---	---	8,265,100	119,900	The infestations on Eglin Air Force Base are spreading both north and south of the original outbreak area. The outbreak has increased from seven or eight spots in December 1974, to approximately 58 spots in June 1975, with spots ranging in size from 0 to 500 trees.
	Federal	---	---	---	794	1,595,700	39,900	
	Total	---	---	---	794	9,860,800	159,800	
Georgia	Private	159,000	57,500	3,015	6,294	15,795,900	8,650,945	Spring surveys continue to show increasing population levels in the mountain districts while levels in the Central Piedmont have continued to decline. Coastal Plain populations have been greatly reduced but are very erratic.
	Federal	71,320	37,000	7,182	557	986,900	415,170	
	Total	230,320	94,500	10,197	6,851	16,782,800	9,066,115	
Kentucky	Private	---	---	---	---	665,400	40,000	Infestations were first observed in March 1975 in Bell County. Additional infestations were found in Whitley, Knox, and Harlan Counties. Status and course of the outbreak are not yet known.
	Federal	---	---	---	---	260,000	---	
	Total	---	---	---	---	925,400	40,000	
Louisiana	Private	30,000	---	1,147	228	7,264,400	5,300,300	Activity remains moderate in the south and low in northern Louisiana. Most activity is occurring in Allen and Evangeline parishes.
	Federal	46,440	37,801	3,447	242	564,400	322,400	
	Total	76,440	37,801	4,594	470	7,828,800	5,622,700	
Mississippi	Private	43,250	32,373	371	329	7,740,200	2,134,500	Activity had decreased during the spring but is beginning to increase again. Populations have been declining in the southwestern part of the State and continuing to increase in the northeast.
	Federal	56,490	44,264	3,925	---	1,209,800	241,242	
	Total	99,740	76,637	4,296	329	8,950,000	2,375,742	
North Carolina	Private	155,695	143,425	79,743	14,595	9,876,900	8,947,227	The situation is static or improved in most of North Carolina except for the northcentral and eastern Piedmont areas where early increases in numbers of beetle spots were evident.
	Federal	108,110	43,937	1,595	585	778,000	158,818	
	Total	263,805	187,362	81,338	15,180	10,654,900	9,106,045	
South Carolina	Private	20,000	40,000	17,794	12,724	7,006,000	3,330,946	Spots have decreased significantly in both size and number throughout most of the outbreak area. Populations are declining in most counties and, if these conditions continue, a general subsidence of the outbreak is anticipated by late fall.
	Federal	57,080	27,700	2,433	393	826,000	292,554	
	Total	77,080	67,700	20,227	13,117	7,832,000	3,623,500	
Tennessee	Private	---	---	1,533	884	1,863,500	1,392,000	Populations remain at high levels in mid-eastern Tennessee. Infestations are on the increase in both north and southeastern Tennessee. New county records have been established following the detection of the southern pine beetle in three southcentral counties and one county on the Cumberland Plateau.
	Federal	83,913	10,200	2,056	597	372,200	135,244	
	Total	83,913	10,200	3,589	1,481	2,235,700	1,527,244	
Texas	Private	200,000	200,000	83,412	4,634	6,904,800	5,798,463	Activity has increased substantially in southeastern Texas with about one third of the beetle activity in that area. Activity is also beginning to pick up in the southwestern range of the beetle. In the remainder of the outbreak area, activity is moderate
	Federal	149,943	173,295	10,491	576	668,500	556,537	
	Total	349,943	373,295	93,903	5,210	7,573,300	6,345,000	
Virginia	Private	9,500	20,000	40,563	13,186	5,010,300	2,127,238	Populations remain at relatively high levels for this time of year. A substantial number of spots have died out this spring but the potential for further activity later in the year remains.
	Federal	39,050	21,700	23	23	387,900	101,220	
	Total	48,550	41,700	40,586	13,209	5,398,200	2,228,458	
SA Totals	Private	\$ 967,445	\$ 868,488	241,783	60,537	89,442,800	44,065,619	
	Federal	\$ 692,313	\$ 446,693	31,739	3,895	9,578,100	2,669,785	
	Total	\$ 1,659,758	\$ 1,315,181	273,522	64,436	99,020,900	46,735,404	

1/ Figures include longleaf, slash, sand, and spruce pine acreages not previously included. Addition reflects the significant increase of beetle infestations of these pine species previously thought to be of minor importance as hosts.

FIGURE 1 CHRONOLOGICAL DEVELOPMENT OF THE SOUTHERN PINE BEETLE OUTBREAK 1971 - 1974



SOUTHEASTERN AREA

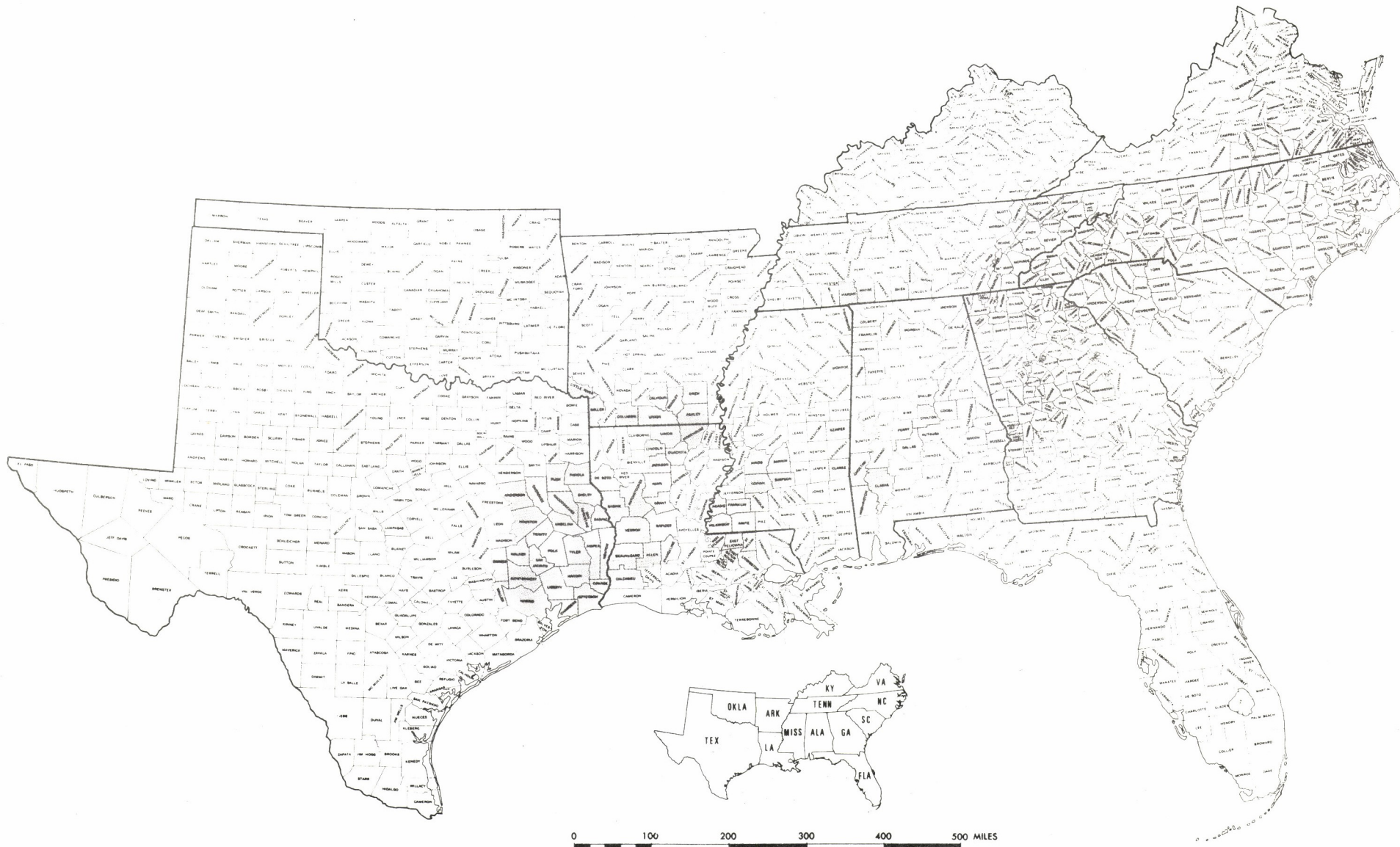


FIGURE 2 LOCATION OF SOUTHERN PINE BEETLE OUTBREAK AS OF JUNE 30, 1975